

ABSTRACT OF THE DISCLOSURE

The present invention relates to an improved method and apparatus for injection molding and cooling molded articles such as preforms so as to avoid crystallinity. The apparatus and method make use of a take-off plate for removing articles from a mold, which plate may include heat transfer devices for cooling exterior surfaces of the molded articles or preforms, and a system for cooling in a controlled manner interior surfaces of the molded articles or preforms.

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